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Patent Application
Attorney Docket No.: 57983.000013
Client Reference No.: 12898RO



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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re Application of:

James Aweya et al.

Appln. No.: 09/850,057

Filed: May 8, 2001

For: ACTIVE QUEUE MANAGEMENT WITH
FLOW PROPORTIONAL BUFFERING

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: Group Art Unit: 2151
:
: Examiner: Unassigned
:
:
:
:

Assistant Commissioner
for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty under 37 C.F.R. § 1.56 of each individual associated with the filing and prosecution of the above-identified patent application (hereinafter, "associated individuals") to disclose all information known to that individual to be material to patentability, Applicant(s) hereby submits attached Form PTO-1449 (modified) listing cited references. This submission is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure.



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PATENT TRADEMARK OFFICE

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The cited references, while believed to be of some relevance, are not necessarily considered to teach or suggest any aspect of the invention described and claimed in the above-identified patent application. Applicant(s) hereby expressly reserves the right to swear behind the effective dates of any of the cited references. Applicant(s) further reserves the right to question the relevance, materiality, and/or prior art status of any of the cited references in whole, in part, or in combination, subsequent to the filing of this information disclosure statement. This information disclosure statement is also not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. Rather, this information disclosure statement discloses only the best references of which the associated individuals are aware.

The Examiner is respectfully requested to consider each of the cited references, to indicate such consideration by initialing in the space provided next to each cited reference on the enclosed Form PTO-1449 (modified), to sign the initialed Form PTO-1449 (modified), and to return a copy of the same with the next communication to the Applicant(s).

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For the convenience of the Examiner in considering the cited references, a copy of each of the cited references is enclosed with this communication. In considering the cited references, it may be noted by the Examiner that certain of the references may contain markings, underlinings, and/or other notations. These markings, underlinings, and/or other notations are not to be construed as drawing the Examiner's attention either to selected parts or away from other parts of the cited references. Any such markings were either present on the copies of the cited references obtained by the associated individuals, or were made thereon during the study of the references by the associated individuals.

In accordance with 37 CFR § 1.97(b), this information disclosure statement is being filed (i) within three months of the filing date of the above-identified patent application; (ii) within three months of the date upon which the above-identified patent application entered the national stage as set forth in 37 CFR § 1.491; or (iii) before the mailing date of a first Office Action on the merit for the above-identified patent application. Accordingly, no statement or fee is required.

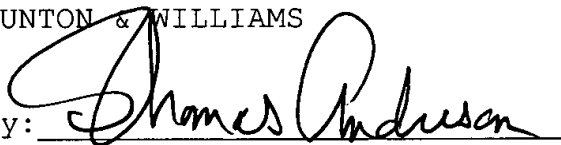
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Please charge any shortage in fees due in connection with the filing of this communication to Deposit Account No. 50-0206, and please credit any excess fees to such deposit account.

Respectfully submitted,

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Date: August 17, 2001

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Complete if Known

Application Number	09/850,057
Filing Date	May 8, 2001
First Named Inventor	James Aweya et al.
Group Art Unit	2151
Examiner Name	Unassigned
Attorney Docket Number	57983.000013

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	P1	R.Morris, "Scalable TCP Congestion Control," <i>Proc. IEEE infocom 200</i> , pp. 1176-1183.	
	P2	C. Villamizar and C. Song, "High Performance TCP in ANSNET," <i>ACM Computer Commun., Rev.</i> , Vol. 24, No. 5, Oct. 1995.	
	P3	R. Morris, "TCP Behavior with Many Flows," <i>IEEE Int'l Conf. Network Protocols</i> , Atlanta, Georgia, Oct. 1997.	
	P4	W. Stevens, "TCP Slow Start, Congestion Avoidance, Fast Retransmit, and Fast Recovery Algorithms," <i>IETF RFC 2001</i> , Jan. 1997.	
	P5	J. Aweya, D.Y. Montuno, M. Ouellette, "Method and Apparatus for Active Queue Management Based on Desired Queue Occupancy," U.S. Patent Application Serial No. 09/455,445, December 1999.	
	P6	S. Floyd and V. Jacobson, "Random Early Detection Gateways for Congestion Avoidance," <i>IEEE/ACM Trans. Networking</i> , Vol. 1, No. 4, Aug. 1993, pp. 397-413.	
	P7	B. Braden, et al., "Recommendation on Queue Management and Congestion Avoidance in the Internet," <i>IETF RFC 2309</i> , Apr. 1998.	
	P8	L. Carter et al., "Exact and Approximate Membership Testers," <i>Proc. 10th annual ACM Symposium on Theory of Computing</i> , May 1978, pp. 59-65.	
	P9	P.E. McKenney, "High-Speed Event Counting and Classification using a Dictionary Hash Technique," <i>International Conference on Parallel Processing</i> , 1989, pp. III-71-75.	
	P10	R. Jain, "A Comparison of Hashing Schemes for Address Lookup in Computer Networks," Technical Report Dec-TR-593, Digital Equipment Corporation, Feb. 1989.	
	P11	M.V. Ramakrishna et al., "Efficient Hardware Hashing Functions for High Performance Computers," <i>IEEE Trans. Computers</i> , Vol. 46, No. 12, Dec 1997, pp. 1378-1381.	
	P12	G.F. Franklin, J.D. Powell and A. Emami-Naeini, <i>Feedback Control of Dynamic Systems</i> , Addison-Wesley Reading, Massachusetts, 1994.	
	P13		
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.